



(19)

(11) Publication number:

06181785 A

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PATENT ABSTRACTS OF JAPAN(21) Application number: **04343675**(51) Intl. Cl.: **C12P 7/62 A61K 35/78 C12N 5/04**(22) Application date: **24.12.92**

(30) Priority:	(71) Applicant: MITSUBISHI PETROCHEM IND LTD
(43) Date of application publication: 05.07.94	(72) Inventor: TABATA HOMARE YUKIMUNE TAKAHITO
(84) Designated contracting states:	(74) Representative:

**(54) PRODUCTION OF
TAXANE-TYPE DITERPENE**

(57) Abstract:

PURPOSE: To efficiently obtain the subject compound useful as a medicine for ovary cancer, breast cancer and lung cancer, by adding coconut milk to a medium containing the cultured cells from a plant capable of producing a taxane-type diterpene to conduct a tissue culture and by taking the aimed product from the cultured product.

CONSTITUTION: A solid medium spiked with naphthaleneacetic acid so as to be 10-5M in its concentration is inoculated with part of the stem of a plant capable of producing a taxane-type terpene (e.g. *Taxus cuspidata* Sieb.) to conduct static culture in a dark place at 25°C to produce cultured cells or cultured tissue. The resultant medium containing such cells or tissue is incorporated with coconut milk to perform a tissue culture through shaking culture at 25°C for 14 days. Then, the resultant cultured cells or cultured tissue is taken by filtration and lyophilized and then put to extraction with e.g. methanol; the resulting liquid extract is then concentrated and subjected to high-performance liquid chromatography to carry out purification, thus affording

the objective taxane-type diterpene
hopeful of a medicine for ovary
cancer, breast cancer and lung cancer
etc. (e.g. taxol, baccatin III,
cephalomannine, 10-deacetyl baccatin
III).

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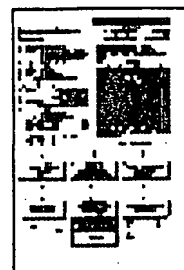
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YUKIMUNE TAKAHITO;**Assignee: **mitsui petrochem ind ltd**
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Number: **JP1992000343675**IPC Code: **C12P 7/62; A61K 35/78; C12N 5/04;**Priority Number: **Dec. 24, 1992 JP1992000343675**

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Family:

PDF	Publication	Pub. Date	Filed	Title
	JP6181785A2	July 5, 1994	Dec. 24, 1992	PRODUCTION OF TAXANE-TYPE DITERPENE
	JP3162217B2	April 25, 2001	Dec. 24, 1992	
2 family members shown above				

Other Abstract
Info:

DERABS C94-251701 DERC 94-251701 JAPABS 180523C000110 JAP180523C000110